

INTERNATIONAL SEARCH REPORT

International Application No
PCT/PT 03/00006

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N9/96 C12N1/04 A61K31/70 A61K47/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 816 509 A (IBET INST DE BIOLOG EX E TECNO) 7 January 1998 (1998-01-07) cited in the application the whole document ---	1-22
A	EP 0 965 268 A (IBET INST DE BIOLOG EX E TECNO) 22 December 1999 (1999-12-22) cited in the application the whole document ---	1-22 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

Special categories of cited documents :

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Date of the actual compilation of the International search

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Intern	al Application No
PCT/PT 03/00006	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BORGES N ET AL.: "Comparative study of the thermostabilizing properties of mannosylglycerate and other compatible solutes on model enzymes." EXTREMOPHILES, vol. 6, no. 3, June 2002 (2002-06), pages 209-216, XP002253694 ISSN: 1431-0651 cited in the application abstract ---	1-22
A	RAMOS A ET AL.: "Stabilization of enzymes against thermal stress and freeze-drying by mannosylglycerate" APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 63, no. 10, October 1997 (1997-10), pages 4020-4025, XP002114723 ISSN: 0099-2240 cited in the application abstract ---	1-22
A	WO 01 76572 A (BITOP GMBH ;SCHWARZ THOMAS (DE)) 18 October 2001 (2001-10-18) the whole document ---	1-22
A	WO 01 58446 A (VANGALA MAYA DEVI ;BITOP GMBH (DE); GALINSKI ERWIN (DE); SCHWARZ T) 16 August 2001 (2001-08-16) the whole document ---	1-22
A	MARTINS L O ET AL.: "New compatible solutes related to Di-myo-inositol-phosphate in members of the order Thermotogales." JOURNAL OF BACTERIOLOGY, vol. 178, no. 19, October 1996 (1996-10), pages 5644-5651, XP002253693 ISSN: 0021-9193 abstract page 5648, left-hand column, line 9-12 table 2 ---	1-22
A	CÁNOVAS D ET AL.: "Role of Ngamma-acetyl diaminobutyrate as an enzyme stabilizer and an intermediate in the biosynthesis of hydroxyectoine." APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 65, no. 9, September 1999 (1999-09), pages 3774-3779, XP002253695 ISSN: 0099-2240 abstract ---	1-22
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PCT/PT 03/00006

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EMPADINHAS N ET AL.: "Pathway for the synthesis of mannosylglycerate in the hyperthermophilic archaeon Pyrococcus horikoshii. Biochemical and genetic characterization of key enzymes." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 276, no. 47, 23 November 2001 (2001-11-23), pages 43580-43588, XP002253696 ISSN: 0021-9258 abstract ---	1-22
A	SANTOS H ET AL.: "Compatible solutes of organisms that live in hot saline environments." ENVIRONMENTAL MICROBIOLOGY, vol. 4, no. 9, September 2002 (2002-09), pages 501-509, XP002253697 ISSN: 1462-2912 the whole document ---	1-22
A	SANTOS H ET AL.: "Organic solutes from thermophiles and hyperthermophiles" METHODS IN ENZYMOLOGY, ACADEMIC PRESS INC, SAN DIEGO, CA, US, vol. 334, 2001, pages 302-315, XP008021120 ISSN: 0076-6879 cited in the application the whole document table I ---	1-22
A	DA COSTA M S ET AL.: "An overview of the role and diversity of compatible solutes in bacteria and archaea" ADVANCES IN BIOCHEMICAL ENGINEERING, BIOTECHNOLOGY, SPRINGER, BERLIN, DE, vol. 61, 1998, pages 117-153, XP002099622 ISSN: 0724-6145 the whole document -----	1-22

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter	Application No
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Patent document cited in search report	Publication date	Patent family member(s)			Publication date
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		EP 0816509 A2			15-10-2003
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			US 2003114358 A1		19-06-2003